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Claims.

1. (currently amended) A single coil generator comprising:
a rotor journaled in an generator frame, said rotor having a plurality of poles,
a stator with a like number of salient poles, each including alternately wound coils
coupled to form a single coil with two free ends, generating alternating current (AC)
that is connected to an AC load.
2. (currently amended) The generator of claim 1 wherein the output is split into AC
and rectified direct current (DC).
3. (original) The generator of claim 2 wherein the AC output is connected to a first AC load
through AC rated switches and the rectified DC is connected to a second DC load
through DC rated switches.
4. (original) The generator of claim 1 wherein the output is having any combinations of
low and high voltage as well as AC and DC.
5. (Canceled)
6. (original) The generator of claim 1 wherein said rotor is having permanent magnet poles.
7. (original) The generator of claim 1 wherein said stator poles have same dimensional width
as said rotor poles.
8. (original) The generator of claim 2 wherein the AC output is rectified by four diodes
in a bridge circuit and then is connected to a DC load.
9. (previously amended) An output option generator with low loss switching devices comprising:
a generator having a rotor with a plurality of poles, and a stator with a like number of salient poles,
each including alternately wound coils coupled to form a single coil with two free ends ,
its AC output connected to a first load through AC rated switches,
said AC output rectified and connected to a second load through DC rated switches.

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10. (original) The generator of claim 9 wherein said first load consists of incandescent lamps, heaters and AC motors, and wherein said second load consists of DC motors, actuators and a battery.
11. (currently amended) The generator of claim 9 wherein said first output is voltage regulated with Triac's or silicon controlled rectifiers (S.C.R.'s.)
12. (original) The generator of claim 9 wherein the output is split into AC and rectified DC.
13. (original) The generator of claim 9 wherein the output is having any combinations of low and high voltage as well as AC and DC.
14. (canceled)
15. (original) The generator of claim 9 wherein said rotor is having permanent magnet poles.
16. (original) The generator of claim 9 wherein said stator poles have same dimensional width as said rotor poles.
17. (original) The generator of claim 9 wherein the AC output is rectified by four diodes in a bridge circuit and then is connected to a DC load.
18. (original) The generator of claim 9 wherein said four diodes are the sole diodes in the generator system.
19. (original) The generator of claim 1 wherein said alternately wound coils are in a position in front of said rotor poles to generate AC at all times.
20. (original) The generator of claim 6 wherein its construction is brushless and void of slip rings.
21. (canceled)
22. (original) The generator of claim 2 wherein the AC output and the D.C. output have a common ground.